

[illegible]

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35

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45

50

55

Ser Pro Glu Gln Thr Ala Thr Ser Val Asn Cys Ser Ser Pro Glu Arg
40 45 50

5 cac acg aga agt tat gac tac atg gaa gga ggg gat ata agg gtg agg
309
His Thr Arg Ser Tyr Asp Tyr Met Glu Gly Gly Asp Ile Arg Val Arg
55 60 65

10 aga ctg ttc tgt cgc acc cag tgg tac ctg agg att gac aaa cga ggc
357
Arg Leu Phe Cys Arg Thr Gln Trp Tyr Leu Arg Ile Asp Lys Arg Gly
70 75 80

15 aaa gtg aaa ggg acc cag gag atg agg aac agc tac aac atc atg gaa
405
Lys Val Lys Gly Thr Gln Glu Met Arg Asn Ser Tyr Asn Ile Met Glu
85 90 95

20 atc atg act gtg gca gtt gga att gtg gca atc aaa ggg gtg gaa agt
453
Ile Met Thr Val Ala Val Gly Ile Val Ala Ile Lys Gly Val Glu Ser
100 105 110 115

25 gaa tac tat ctt gcc atg aac aaa caa ggg gaa ctc tat gca aag aaa
501
Glu Tyr Tyr Leu Ala Met Asn Lys Gln Gly Glu Leu Tyr Ala Lys Lys
120 125 130

30 gaa tgc aat gag gat tgc aac ttc aaa gaa ctg att ctg gaa aac cat
549
Glu Cys Asn Glu Asp Cys Asn Phe Lys Glu Leu Ile Leu Glu Asn His
135 140 145

35 tac aac acc tct gca tca gct aaa tgg aca cac agc gga ggg gaa atg
597
Tyr Asn Thr Ser Ala Ser Ala Lys Trp Thr His Ser Gly Gly Glu Met
150 155 160

40 ttc gtg gcc tta aat caa aag ggg ctt cct gtc aaa ggg aag aaa acg
645
Phe Val Ala Leu Asn Gln Lys Gly Leu Pro Val Lys Gly Lys Lys Thr
165 170 175

45 aag aaa gaa caa aaa acg gcc cac ttt ctt cct atg gca ata act taa
693
Lys Lys Glu Gln Lys Thr Ala His Phe Leu Pro Met Ala Ile Thr
180 185 190

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<212> PRT
<213> FGF7 from Rat

55 <400> 2

Met Arg Lys Trp Ile Leu Thr Arg Ile Leu Pro Thr Pro Leu Tyr Arg

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				20					25					30		
5	Asn	Asp	Met	Ser	Pro	Glu	Gln	Thr	Ala	Thr	Ser	Val	Asn	Cys	Ser	Ser
			35					40					45			
	Pro	Glu	Arg	His	Thr	Arg	Ser	Tyr	Asp	Tyr	Met	Glu	Gly	Gly	Asp	Ile
10		50					55					60				
	Arg	Val	Arg	Arg	Leu	Phe	Cys	Arg	Thr	Gln	Trp	Tyr	Leu	Arg	Ile	Asp
	65					70					75				80	
15	Lys	Arg	Gly	Lys	Val	Lys	Gly	Thr	Gln	Glu	Met	Arg	Asn	Ser	Tyr	Asn
					85					90					95	
	Ile	Met	Glu	Ile	Met	Thr	Val	Ala	Val	Gly	Ile	Val	Ala	Ile	Lys	Gly
20				100					105					110		
	Val	Glu	Ser	Glu	Tyr	Tyr	Leu	Ala	Met	Asn	Lys	Gln	Gly	Glu	Leu	Tyr
			115					120					125			
25	Ala	Lys	Lys	Glu	Cys	Asn	Glu	Asp	Cys	Asn	Phe	Lys	Glu	Leu	Ile	Leu
		130					135					140				
	Glu	Asn	His	Tyr	Asn	Thr	Ser	Ala	Ser	Ala	Lys	Trp	Thr	His	Ser	Gly
	145					150					155				160	
30	Gly	Glu	Met	Phe	Val	Ala	Leu	Asn	Gln	Lys	Gly	Leu	Pro	Val	Lys	Gly
					165					170					175	
	Lys	Lys	Thr	Lys	Lys	Glu	Gln	Lys	Thr	Ala	His	Phe	Leu	Pro	Met	Ala
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	Ile	Thr														
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55	Met	Ser	Pro	Ile	Leu	Gly	Tyr	Trp	Lys	Ile	Lys	Gly	Leu	Val	Gln	Pro
	1				5					10					15	

act cga ctt ctt ttg gaa tat ctt gaa gaa aaa tat gaa gag cat ttg
96
Thr Arg Leu Leu Leu Glu Tyr Leu Glu Glu Lys Tyr Glu Glu His Leu
20 25 30

5 tat gag cgc gat gaa ggt gat aaa tgg cga aac aaa aag ttt gaa ttg
144
Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu
35 40 45

10 ggt ttg gag ttt ccc aat ctt cct tat tat att gat ggt gat gtt aaa
192
Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys
50 55 60

15 tta aca cag tct atg gcc atc ata cgt tat ata gct gac aag cac aac
240
Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn
65 70 75 80

20 atg ttg ggt ggt tgt cca aaa gag cgt gca gag att tca atg ctt gaa
288
Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu
85 90 95

25 gga gcg gtt ttg gat att aga tac ggt gtt tcg aga att gca tat agt
336
Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser
100 105 110

30 aaa gac ttt gaa act ctc aaa gtt gat ttt ctt agc aag cta cct gaa
384
Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
115 120 125

35 atg ctg aaa atg ttc gaa gat cgt tta tgt cat aaa aca tat tta aat
432
Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn
130 135 140

40 ggt gat cat gta acc cat cct gac ttc atg ttg tat gac gct ctt gat
480
Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp
145 150 155 160

45 gtt gtt tta tac atg gac cca atg tgc ctg gat gcg ttc cca aaa tta
528
Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu
165 170 175

50 gtt tgt ttt aaa aaa cgt att gaa gct atc cca caa att gat aag tac
576
Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr
180 185 190

55 ttg aaa tcc agc aag tat ata gca tgg cct ttg cag ggc tgg caa gcc
624

	Leu	Lys	Ser	Ser	Lys	Tyr	Ile	Ala	Trp	Pro	Leu	Gln	Gly	Trp	Gln	Ala	
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5	acg	ttt	ggt	ggt	ggc	gac	cat	cct	cca	aaa	tcg	gat	ctg	ggt	ccg	cgt	
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	Thr	Phe	Gly	Gly	Gly	Asp	His	Pro	Pro	Lys	Ser	Asp	Leu	Val	Pro	Arg	
		210					215					220					
10	gga	tcc	ccg	cgg	gaa	ttc	gct	tgc	aat	gac	atg	agt	cca	gag	cag	acg	
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15	gcc	acg	agc	gtg	aac	tgt	tct	agc	ccc	gag	cga	cac	acg	aga	agt	tat	
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	Ala	Thr	Ser	Val	Asn	Cys	Ser	Ser	Pro	Glu	Arg	His	Thr	Arg	Ser	Tyr	
					245					250					255		
20	gac	tac	atg	gaa	gga	ggg	gat	ata	agg	gtg	agg	aga	ctg	ttc	tgt	cgc	
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	Asp	Tyr	Met	Glu	Gly	Gly	Asp	Ile	Arg	Val	Arg	Arg	Leu	Phe	Cys	Arg	
				260					265					270			
25	acc	cag	tgg	tac	ctg	agg	att	gac	aaa	cga	ggc	aaa	gtg	aaa	ggg	acc	
	864																
	Thr	Gln	Trp	Tyr	Leu	Arg	Ile	Asp	Lys	Arg	Gly	Lys	Val	Lys	Gly	Thr	
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30	cag	gag	atg	agg	aac	agc	tac	aac	atc	atg	gaa	atc	atg	act	gtg	gca	
	912																
	Gln	Glu	Met	Arg	Asn	Ser	Tyr	Asn	Ile	Met	Glu	Ile	Met	Thr	Val	Ala	
		290					295					300					
35	gtt	gga	att	gtg	gca	atc	aaa	ggg	gtg	gaa	agt	gaa	tac	tat	ctt	gcc	
	960																
	Val	Gly	Ile	Val	Ala	Ile	Lys	Gly	Val	Glu	Ser	Glu	Tyr	Tyr	Leu	Ala	
	305					310					315					320	
40	atg	aac	aaa	caa	ggg	gaa	ctc	tat	gca	aag	aaa	gaa	tgc	aat	gag	gat	
	1008																
	Met	Asn	Lys	Gln	Gly	Glu	Leu	Tyr	Ala	Lys	Lys	Glu	Cys	Asn	Glu	Asp	
					325					330					335		
45	tgc	aac	ttc	aaa	gaa	ctg	att	ctg	gaa	aac	cat	tac	aac	acc	tct	gca	
	1056																
	Cys	Asn	Phe	Lys	Glu	Leu	Ile	Leu	Glu	Asn	His	Tyr	Asn	Thr	Ser	Ala	
				340					345					350			
50	tca	gct	aaa	tgg	aca	cac	agc	gga	ggg	gaa	atg	ttc	gtg	gcc	tta	aat	
	1104																
	Ser	Ala	Lys	Trp	Thr	His	Ser	Gly	Gly	Glu	Met	Phe	Val	Ala	Leu	Asn	
			355					360					365				
55	caa	aag	ggg	ctt	cct	gtc	aaa	ggg	aag	aaa	acg	aag	aaa	gaa	caa	aaa	
	1152																
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05990578-112101

acg gcc cac ttt ctt cct atg gca ata act
1182
Thr Ala His Phe Leu Pro Met Ala Ile Thr
5 385 390

<210> 4
<211> 394
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15 <400> 4

Met Ser Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro
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20 25 30
25 Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu
35 40 45
30 Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys
50 55 60
Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn
65 70 75 80
Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu
85 90 95
35 Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser
100 105 110
Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
115 120 125
40 Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn
130 135 140
Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp
45 145 150 155 160
Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu
165 170 175
50 Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr
180 185 190
Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala
195 200 205
55 Thr Phe Gly Gly Gly Asp His Pro Pro Lys Ser Asp Leu Val Pro Arg
210 215 220

Gly Ser Pro Arg Glu Phe Ala Cys Asn Asp Met Ser Pro Glu Gln Thr
 225 230 235 240
 5 Ala Thr Ser Val Asn Cys Ser Ser Pro Glu Arg His Thr Arg Ser Tyr
 245 250 255
 Asp Tyr Met Glu Gly Gly Asp Ile Arg Val Arg Arg Leu Phe Cys Arg
 260 265 270
 10 Thr Gln Trp Tyr Leu Arg Ile Asp Lys Arg Gly Lys Val Lys Gly Thr
 275 280 285
 15 Gln Glu Met Arg Asn Ser Tyr Asn Ile Met Glu Ile Met Thr Val Ala
 290 295 300
 Val Gly Ile Val Ala Ile Lys Gly Val Glu Ser Glu Tyr Tyr Leu Ala
 305 310 315 320
 20 Met Asn Lys Gln Gly Glu Leu Tyr Ala Lys Lys Glu Cys Asn Glu Asp
 325 330 335
 Cys Asn Phe Lys Glu Leu Ile Leu Glu Asn His Tyr Asn Thr Ser Ala
 340 345 350
 25 Ser Ala Lys Trp Thr His Ser Gly Gly Glu Met Phe Val Ala Leu Asn
 355 360 365
 30 Gln Lys Gly Leu Pro Val Lys Gly Lys Lys Thr Lys Lys Glu Gln Lys
 370 375 380
 Thr Ala His Phe Leu Pro Met Ala Ile Thr
 385 390
 35

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